BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work: Improvements to roads and drains at western side of Hegdenagara 2nd main road from 1st cross to 7th cross and surrounding Areas in Ward No.06

Sanctioned Estimate Amount: Rs. 19,900,000.00 — **Name of the Contractor: Sri. K S Chowdareddy**

Sanctioned Tender Amount: Rs. 18,281,362.00

Operative Tender Premium 4.98% Above

WORKSLIP STATEMENT

Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	414.60	5421.90	2247919.74	414.60	5691.91	2359865.89	554.33	518.25	5691.91	2949832.36	36.08	5691.91	205369.80	3155202.16	795336.28	0.00	
8	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	33.00	5418.00	178794.00	33.00	5687.82	187698.06	48.15	41.25	5687.82	234622.58	6.90	5687.82	39245.96	273868.53	86170.47	0.00	
	TOTAL				17414134.65			18281362.18				15706600.34			244615.76	15951216.11	881506.75	3211692.82	

Percentage of excess comparing to the sanctioned Estimated cost = $\frac{881506.75}{18281362.00} \times 100 = 4.82\ \%$

Contractor

Assistant Engineer 28/10/2021
Project Division

Assistant Executive Engineer 28/10/2021
Project Division

Executive Engineer
Project Division

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PWG -71 EXTRA ITEM RATE LIST STATEMENT

Name of the Work: Improvements to roads and drains at western side of Hegdenagara 2nd main road from 1st cross to 7th cross and surrounding Areas in Ward No.06

Client Agency : Bruhat Bangalore Mahanagara palike
: Sri. K S Chowdareddy

Sl. No.	Item of Work	Unit	Approximate Quantity	Rate	Amount In Rs	Whether the items are alternative to items in the tender or wherther they are additional items (If items are in lieu of some items in the accepted tender, such items should be metioned	Wherther the extra item is included in the sanctioned estimate	How the extra cost of the item is propposed to be met	Whether the extra item is included in the suchedule of rate of the Division. If so reference to this item of the schedule to be given , if not data sheets should accompany the rate list	Remarks
E-1	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.(I No-19.14,P No-143).	Cum	737.00	45.62	33625.11	Additional Item	No	in the savings of other items in the same estimate		
E-2	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No-19.64, P No-147)	Sqm	1842.50	6.68	12301.87	Additional Item	No	in the savings of other items in the same estimate		
E-3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	368.50	2094.27	771737.40	Additional Item	No	in the savings of other items in the same estimate		

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Sl. No.	Item of Work	Unit	Approximate Quantity	Rate	Amount In Rs	Whether the items are alternative to items in the tender or wherther they are additional items (If items are in lieu of some items in the accepted tender, such items should be metioned	Wherther the extra item is included in the sanctioned estimate	How the extra cost of the item is propposed to be met	Whether the extra item is included in the suchedule of rate of the Division. If so reference to this item of the schedule to be given , if not data sheets should accompany the rate list	Remarks
E-4	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (P.No-176,I	Cum	276.38	5470.47	1511899.99	Additional Item	No	in the savings of other items in the same estimate		
	EIRL TOTAL Handed 22.6.21				2329564.37					

Total Amount of Sanctioned Tender	=	18281362.00
Net Excess Amount of EIRL	=	2329564.37
Total % excess to the Tendered Amount	=	12.74 %

Assistant Engineer 23/10/2021
Project Division

Assistant Executive Engineer 23/10/2021
Project Division

Executive Engineer
Project Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work: Improvements to roads and drains at western side of Hegdenagara 2nd main road from 1st cross to 7th cross and surrounding Areas in Ward No.06

Sanctioned Estimate Amount: Rs. 19,900,000.00

Sanctioned Tender Amount: Rs. 18,281,362.00

Operative Tender Premium 4.98% Above

Name of the Contractor: Sri. K S Chowdareddy

COMPARATIVE STATEMENT

Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)	Cum	2588.10	215.28	557166.17	2588.10	226.00	584910.60	1828.00	1828.00	226.00	413123.45	0.00	226.00	0.00	413123.45	0.00	171792.15	-
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	414.60	5421.90	2247919.74	414.60	5691.91	2359865.89	554.33	518.25	5691.91	2949832.36	36.08	5691.91	205369.80	3155202.16	795336.28	0.00	
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)	Cum	649.28	7070.20	4590539.46	649.28	7422.30	4819150.94	529.86	529.86	7422.30	3932779.88	0.00	7422.30	0.00	3932779.88	0.00	886371.07	-

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Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)	MT	45.80	73992.24	3388844.59	45.80	77677.05	3557608.89	39.85	39.85	77677.05	3095650.67	0.00	77677.05	0.00	3095650.67	0.00	461958.22	-
5	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1658.88	2337.00	3876802.56	1658.88	2453.38	4069863.01	1332.00	1332.00	2453.38	3267902.16	0.00	2453.38	0.00	3267902.16	0.00	801960.85	-
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete, 10 cms thick. Page No. 27/ Item No. 5.31.2 PWD SR 2018-19	Sqm	184.32	966.72	178185.83	184.32	1014.86	187059.00	0.00	0.00	1014.86	0.00	0.00	1014.86	0.00	0.00	0.00	187059.00	
7	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.26, I.No.5.17 of PW,P&IWTD SR 2018-19)	Sqm	184.32	950.82	175255.14	184.32	998.17	183982.69	0.00	0.00	998.17	0.00	0.00	998.17	0.00	0.00	0.00	183982.69	
8	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	33.00	5418.00	178794.00	33.00	5687.82	187698.06	48.15	41.25	5687.82	234622.58	6.90	5687.82	39245.96	273868.53	86170.47	0.00	
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.6 of PW, P&IWTD SR 2018-19)	Cum	57.24	5747.32	328976.60	57.24	6033.54	345359.83	44.21	44.21	6033.54	266712.64	0.00	6033.54	0.00	266712.64	0.00	78647.19	

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Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Work Done			Above / Below			Total Amount as per Actuals	Excess	Saving	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
10	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&WTD SR 2018-19)	Nos	4240.00	432.48	1833715.20	4240.00	454.032	1925344.96	2289.00	2289.00	454.032	1039287.05	0.00	454.032	0.00	1039287.05	0.00	491057.91	
11	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M600-6 (P.No.160, I.No.24.1 of PW, P&WTD SR 2018-19)	Sqm	683.20	84.80	57935.36	683.20	89.02	60818.46	5932.00	5932.00	89.02	528089.04	0.00	89.02	0.00	528089.04	0.00	6745.92	
E-1	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.(I No-19.14.P No-143)	Cum							737.00	737.00	45.62	33625.11	0.00	45.62	0.00	33625.11	33625.11	0.00	
E-2	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No-19.64 P No-147)	Sqm							1842.50	1842.50	6.88	12670.97	0.00	6.88	0.00	12670.97	12670.97	0.00	
E-3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications (Clause 401 of MORTH V Revision (I No-20.5.P No-153)	Cum							308.50	308.50	2894.57	771737.40	0.00	2894.57	0.00	771737.40	771737.40	0.00	

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Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
E-4	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.	Cum							276.38	276.38	5470.47	1511899.99	0.00	5470.47	0.00	1511899.99	1511899.99	0.00	
	TOTAL				17414134.65			18281362.18				18036154.71			244615.76	18280780.48	3211671.12	3211652.82	

Total Sanctioned Tender Amount	Rs. 18,281,362.18
Total cost of the project after Work slip and EIRL	Rs. 18,280,780.48
Net Savings Amount	Rs. 581.70
Total % Savings to the Tendered Amount	0.003%

Hence there is no Extra Financial Implication to BBMP.

Contractor

Assistant Engineer 13/10/2021
Project Division

Assistant Executive Engineer 23/10/2021
Project Division

Executive Engineer
Project Division

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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